

ABSTRACT OF THE DISCLOSURE

A plate evaporator includes a first thermal conductive element and a second thermal conductive element. The rim of the first thermal conductive element is formed with a first joining portion. The second thermal conductive element is like a cap having a second joining portion at the rim and correspondent to the first joining portion of the first thermal conductive element. Therefore, upon assembling the two thermal conductive elements, the first and second joining portions are engaged. When brazing, only the joining portions are at high temperature. The temperature rise does not apply to the whole thermal conductive elements and does not influence the strength of the structure.